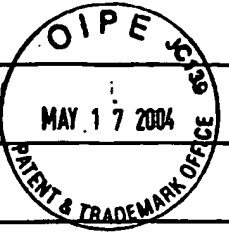


Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office				Atty. Docket No. P23688		Serial No. 10/646,908					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						Applicant Hiroshi NOMURA							
						Filing Date August 25, 2003		Group 2873					
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	2004	/ 0	0	4	2	0	9	5	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	2004	/ 0	0	4	2	0	9	5	03/04/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	4	2	0	9	3	03/04/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	6	2	5	3	6	04/01/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	5	1	9	6	8	03/18/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	5	1	9	7	0	03/18/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	6	2	5	3	7	04/01/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	5	1	9	7	2	03/18/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	4	2	0	9	1	03/04/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	4	2	0	8	9	03/04/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	5	1	9	7	1	03/18/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	4	2	7	7	7	03/04/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	4	2	7	7	8	03/04/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	5	1	9	6	9	03/18/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	5	1	9	6	7	03/18/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	4	2	7	7	5	03/04/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	4	2	0	9	6	03/04/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	4	2	0	9	0	03/04/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	4	2	7	7	6	03/04/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	5	1	9	8	1	03/18/04	NOMURA			
<i>[Signature]</i>	2004	/ 0	0	4	2	0	9	2	03/04/04	NOMURA			
<i>[Signature]</i>		4	5	2	5	0	5	0	06/25/85	OHASHI			
<i>[Signature]</i>		4	6	4	3	5	5	5	02/17/87	WAKABAYASHI			
<i>[Signature]</i>		4	7	2	1	9	7	2	01/26/88	WAKABAYASHI			
<i>[Signature]</i>		4	7	9	2	8	2	2	12/20/88	AKIYAMA et al.			
<i>[Signature]</i>		5	8	1	8	6	4	7	10/06/98	NISHIO et al.			
<i>[Signature]</i>		6	0	3	1	9	9	8	02/29/00	SHONO			
<i>[Signature]</i>		4	4	5	1	1	2	9	05/29/84	IKARI et al.			
EXAMINER <i>[Signature]</i>										DATE CONSIDERED <i>8/13/04</i>			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office				Atty. Docket No. P23688		Serial No. 10/646,908					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						Applicant Hiroshi NOMURA							
						Filing Date August 25, 2003		Group 2873					
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4	6	4	3	5	5	4	02/17/87	OGAWA			
		4	7	7	1	3	0	3	09/13/88	MATSUMOTO et al.			
		4	8	8	7	1	0	7	12/12/89	NAKAMURA et al.			
		5	1	3	6	3	2	4	08/04/92	TSUBOI et al.			
		5	7	6	5	0	4	9	06/09/98	HASE et al.			
		5	8	3	2	3	2	6	11/03/98	TANAKA			
		6	3	6	6	3	2	3	04/02/02	SHONO			
		6	1	1	5	1	9	0	09/05/00	HIRAI			
		6	0	6	4	5	3	3	05/16/00	KENIN et al.			
	2003	/0	0	8	1	3	2	5	05/01/03	NOMURA et al.			
	2001	/0	0	2	4	5	7	3	09/27/01	NOMURA et al.			
	2002	/0	1	3	5	9	0	0	09/26/02	NOMURA et al.			
		6	0	7	5	6	5	5	06/13/00	FUNAHASHI			
	2002	/0	1	3	5	9	0	1	09/26/02	NOMURA et al.			
	2003	/0	0	8	1	3	2	7	05/01/03	NOMURA et al.			
	2002	/0	1	3	5	8	9	6	09/26/03	NOMURA et al.			
		6	0	5	5	1	1	6	04/25/00	NOMURA et al.			
		6	2	0	4	9	7	7	03/20/01	IWASA			
		5	4	3	0	5	1	6	07/04/95	UZIIE et al.			
	2003	/0	0	8	1	9	4	8	05/01/03	NOMURA et al.			
2001	/0	0	1	9	4	5	8	09/06/01	NOMURA et al.				
	4	9	9	3	8	1	5	02/19/91	YAMAZAKI et al.				
	5	7	3	1	9	1	3	03/24/98	IMANARI				
	5	7	3	9	9	6	2	04/14/98	ASAKURA et al.				
2003	/0	1	5	6	8	3	2	08/21/03	NOMURA et al.				
	5	5	8	7	7	5	4	12/24/96	KATAYAMA et al.				
	6	0	5	2	5	3	5	04/18/00	UNO				
EXAMINER										DATE CONSIDERED <u>8/13/04</u>			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P23688	Serial No. 10/646,908
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Hiroshi NOMURA	
		Filing Date August 25, 2003	Group 2873

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5 2 2 3 8 7 3	06/29/93	TSUBOI			
		5 0 8 6 3 1 2	02/04/92	TANAKA et al.			
		5 4 9 9 1 4 3	03/12/96	SAKAMOTO et al.			
		6 0 6 9 7 4 5	05/30/00	FUJII et al.			
		6 3 2 4 0 1 9	11/27/01	TAKANASHI et al.			
		5 4 8 5 3 1 5	01/16/96	NOMURA et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	58	- 1 4 5 9 3 0	08/31/83	JAPAN			
	61	- - 6 9 0 0 2	04/09/86	JAPAN			
	61	- 2 7 0 7 3 7	12/01/86	JAPAN			
	63	- 1 4 9 6 2 9	06/22/88	JAPAN			
		64 - 3 4 6 2 3	03/02/89	JAPAN			X
		6 - 1 8 7 7 7	01/28/94	JAPAN			X
	7	- 1 9 1 2 4 9	07/28/95	JAPAN			
	11	- 1 0 9 2 0 3	04/23/99	JAPAN			
		58 - 1 0 7 0 8	01/21/83	JAPAN			
		2 3 4 4 6 6 1	06/14/00	UNITED KINGDOM			
		2 2 6 2 3 5 6	06/16/93	UNITED KINGDOM			
	2003	- 2 0 7 7 0 9	07/25/03	JAPAN			
		2 3 0 9 5 5 1	07/30/97	UNITED KINGDOM			
		2 3 4 4 6 6 2	06/14/00	UNITED KINGDOM			
		2 2 6 1 2 9 8	05/12/93	UNITED KINGDOM			
	2002	- 2 7 7 7 1 9	09/25/02	JAPAN			

EXAMINER






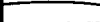


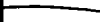






DATE CONSIDERED





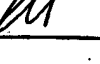
8/13/04


*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P23688		Serial No. 10/646,908	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Hiroshi NOMURA			
				Filing Date August 25, 2003		Group 2873	

U.S. PATENT DOCUMENTS															
EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	

FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	10	-	2	8	2	3	9	4	10/23/98	JAPAN					
	58	-	1	6	2	9	1	4	09/27/83	JAPAN					
	0	6	3	4	6	8	0	01/18/95	E.P.O.						
	10	-	3	2	7	4	0	02/03/98	JAPAN			X			
	7	-	2	8	8	7	2	4	10/31/95	JAPAN			X		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	1	English Language Abstract of JP 58-10708.
	2	English Language Abstract of JP 2003-207709.
	3	English Language Abstract of JP 2002-277719.
	4	English Language Abstract of JP 10-282394.
	5	English Language Abstract of JP 58-162914.

EXAMINER 	DATE CONSIDERED <u>8/13/04</u>
--	--------------------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.